

# Antibiogram of Selected Pathogens, South Dakota 2017

Gram negative organisms							
 SOUTH DAKOTA DEPARTMENT OF HEALTH  South Dakota State University College of Pharmacy	Salmonella spp.	Klebsiella pneumoniae	Pseudomonas aeruginosa	Escherichia coli	Extended spectrum beta-lactamase (ESBL) E. coli <sup>‡</sup>	Proteus spp.	Shigella spp.
	Antibiotic						
Ertapenem		99(2459)		99(13345)	100(310)	93(258)	
Imipenem		99(1467)	79(498)	99(6815)		93(103)	
Meropenem		100(1574)	92(1787)	99(5612)	100(195)	99(174)	
Amoxicillin/Clavulanic acid		97(115)		88(738)		100(49)	
Ampicillin/Sulbactam		90(2540)		66(14405)		87(306)	
Cefazolin		96(3811)		90(20226)		90(391)	
Cefepime		98(3702)	95(1661)	98(19115)		97(197)	
Cefotaxime		96(214)		94(1194)		92(217)	
Ceftazidime		98(2886)	94(1694)	99(16044)		94(430)	
Ceftriaxone	95(82)	98(3480)		98(19152)		95(430)	100(23)
Ampicillin	84(168)	4(855)		61(19158)		84(430)	69(23)
Piperacillin/Tazobactam		97(3768)	97(1871)	97(20341)	91(190)	97(430)	
Ciprofloxacin	94(169)	97(3890)	87(1895)	85(20573)	21(497)	73(430)	88(24)
Levofloxacin	100(54)	98(3721)	83(1831)	86(20165)	21(497)	79(393)	
Tobramycin		99(3247)	98(1612)	95(18710)	64(497)	90(306)	
Gentamicin		99(3852)	92(1895)	94(19757)	75(497)	92(379)	
Nitrofurantoin*		42(2328)		98(13888)	90(367)	0(193)	
Trimethoprim/Sulfamethoxazole		94(3616)		82(15424)	40(497)	84(430)	63(24)
Tetracycline		90(885)		75(545)		26(66)	
				>5% increase in susceptibility from 2013		>5% decrease in susceptibility from 2013	
<sup>‡</sup> Denotes a 10% or greater decrease change in susceptibility compared to data from 2013 <sup>†</sup> Denotes a 10% or greater Increase change in susceptibility compared to data from 2013 *Urine isolates only CLSI recommends reporting data only if 30 or more isolates analyzed, less than 30 isolates are reported for completeness, but may not be statistically valid							